

National Ocean Service
FY2003 Peer Reviewed Publications
Center for Coastal Environmental Health and Biomolecular Research

Bottein Dechraoui, M.Y., J.S. Ramsdell. 2003. Type B brevetoxins show tissue selectivity for voltage-gated sodium channels: comparison of brain, skeletal muscle and cardiac sodium channels. *Toxicon* 41: pp. 919-927

Burdett, L., W. McFee, C. Runyon. 2003. Sources of Mortality in Commercial Fisheries Predicted with GIS: Mapping of Marine Mammal Entanglement Wounds. *ArcNews* pp. 42

Colman, J.R., J.S. Ramsdell. 2003. The Type B Brevetoxin (PbTx-3) Adversely Affects Development, Cardiovascular Function, and Survival in Medaka (*Oryzias latipes*) Embryos. *Environmental Health Perspectives* Vol. 111, No. 16: pp. 1920-1925

DeLorenzo, M.E. and L. Serrano. 2003. Individual and Mixture Toxicity of Three Pesticides; Atrazine, Chlorpyrifos, and Chlorothalonil to the Marine Phytoplankton Species *Dunaliella tertiolecta*. *Journal of Environmental Science and Health*, Vol. B38, No. 5, pp. 529-538

Harwood, V.J., B. Wiggins, C. Hagedorn, R.D. Ellender, J. Gooch, J. Kern, M. Samadpour, A.C.H. Chapman, B.J. Robinson and B.C. Thompson. 2003. Phenotypic library-based microbial source tracking methods: Efficacy in the California collaborative study. *Journal of Water and Health*, 01.4: pp. 153-166

Hyland, J.L., W.L. Balthis, V.D. Engle, E.R. Long, J.F. Paul, J.K. Summers, R.F. Van Dolah. 2003. Incidence of Stress in Benthic Communities along the U.S. Atlantic and Gulf of Mexico Coasts within Different Ranges of Sediment Contamination from Chemical Mixtures. *Environmental Monitoring and Assessment* 81: pp. 149-161

Jennings, J.A., L.M. Kracker. 2003. Fisheries Databases for Assessing Habitat Functions of Cape Romain NWR. NOAA Technical Memorandum NOS-NCCOS-CCEHBR-0009

Kelsey, R.H., G.I. Scott, D.E. Porter, B. Thompson, and L. Webster. 2003. Using Multiple Antibiotic Resistance and Land Use Characteristics to Determine Sources of Fecal Coliform Bacterial Pollution. *Environmental Monitoring and Assessment* 81: 337-348

Key, P.B., K.W. Chung, A.D. Opatkiewicz, E.F. Wirth, and M.H. Fulton. 2003. Toxicity of the Insecticides Fipronil and Endosulfan to Selected Life Stages of the Grass Shrimp (*Palaemonetes pugio*). *Bull. Environ. Contam. Toxicol.* 70: 533-540

Key, P.B., S.L. Meyer and K.W. Chung. 2003. Lethal and Sub-lethal Effects of the Fungicide Chlorothalonil on Three Life Stages of the Grass Shrimp, *Palaemonetes pugio*. *Journal of Environmental Science and Health, Part B*; pp. 539-549

Key, P.B., M.H. Fulton, J.A. Harman-Fetcho, L.L. McConnell. 2003. Acetylcholinesterase Activity in Grass Shrimp and Aqueous Pesticide Levels from South Florida Drainage Canals. *Archives of Environmental Contamination and Toxicology*, 45: 371-377

Kracker, L.M. 2003. Literature Review for a Resource Characterization of Cape Romain National Wildlife Refuge. NOAA Technical Memorandum NOS-NCCOS-CCEHBR-0008

Mitchum, G.B. 2003. Method for the Analysis of Polychlorinated Biphenyls and Chlorinated Pesticides in Marine Mammal Tissue. NOAA Technical Memorandum NOS-NCCOS-CCEHBR-0005

Moore, M.K., J.A. Bemiss, S.M. Rice, J.M. Quattro, and C.M. Woodley. 2003. Use of restriction fragment length polymorphisms to identify sea turtle eggs and cooked meats to species. *Conservation Genetics* 4: 95-103

Myers, J., A. Dindal, Z. Willenberg, K. Riggs, P. Pennington, M. Fulton, G. Scott. 2003. ETV Advanced Monitoring Systems Center, YSI Incorporated 6600 EDS Multi-Parameter Water Quality Probe/Sonde. Environmental Technology Verification Report

Myers, J., A. Dindal, Z. Willenberg, K. Riggs, P. Pennington, M. Fulton, G. Scott. 2003. ETV Advanced Monitoring Systems Center, General Oceanics, Inc. Ocean Seven 316 Multi-Parameter Water Quality Probe/Sonde. Environmental Technology Verification Report

Noble, R.T., S.M. Allen, A.D. Blackwood, W. Chu, S.C. Jiang, G.L. Lovelace, M.D. Sobsey, J.R. Stewart and D.A. Wait. 2003. Use of viral pathogens and indicators to differentiate between human and non-human fecal contamination in a microbial source tracking comparison study. *Journal of Water and Health*. 1(4): 195-208

Sellner, K.G., G.J. Doucette, G.J. Kirkpatrick. 2003. Harmful algal blooms: causes, impacts and detection. *Journal of Industrial Microbiology and Biotechnology*. 30: pp. 383-406

Stewart, J.R., R.D. Ellender, J.A. Gooch, S. Jiang, S.P. Myoda and S.B. Weisberg. 2003. Recommendations for microbial source tracking: Lessons from a methods comparison study. *Journal of Water and Health*. 1(4): 225-231

Volz, D.C., E.F. Wirth, M.H. Fulton, G.I. Scott, E. Strozier, D.S. Block, J.L. Ferry, S.S. Walse and G.T. Chandler. 2003. Effects of Fipronil and Chlорpyrifos on Endocrine-Related Endpoints in Female Grass Shrimp (*Palaemonetes pugio*). *Bull. Environ. Contam. Toxicol.* 71: pp. 497-503

Woodley, C.M., A.W. Bruckner, S.B. Galloway, S.M. McLaughlin, C.A. Downs, J.E. Fauth, E.B. Shotts and K.L. Lidie. 2003. Coral Disease and Health: A National Research Plan. National Oceanic and Atmospheric Administration, Silver Spring, MD. 72 pp.

Woofter, R., M.Y. Bottein Dechraoui, I. Garthwaite, N.R. Towers, C.J. Gordon, J. Cordova, J.S. Ramsdell. 2003. Measurement of Brevetoxin Levels by Radioimmunoassay of Blood Collection Cards after Acute, Long-Term, and Low-Dose Exposure in Mice. *Environmental Health Perspectives* Vol. 111, No. 13: pp. 1595-1600

